

Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II / Regulation (EU) No. 2015/830.  
- Cyprus

**Date of issue/ Date of revision** : 22.01.2021  
**Date of previous issue** : 01.06.2018  
**Version** : 5.0



# SAFETY DATA SHEET

Deltaspray 15-30-15

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1 Product identifier

**Product name** : Deltaspray 15-30-15  
**Product code** : PG885K  
**Product type** : Solid

### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses
Industrial distribution. Industrial USE to formulate chemical product mixtures. Professional formulation of fertiliser products. Professional USE as fertiliser at Farm - loading and spreading. Professional USE as fertiliser in Greenhouse. Professional USE as liquid fertiliser in open field. Professional USE as fertiliser - maintenance of equipment.

**Uses advised against** : None identified.

### 1.3 Details of the supplier of the safety data sheet

**Address** : Yara Hellas S.A.  
**Street** : Syngrou Avenue  
Nea Smyrni  
**Number** : 143  
**Postal code** : 17121  
**City** : Athens  
**Country** : Greece  
**Telephone number** : +30 210 9370355  
**Fax no.** : +30 210 9370357  
**e-mail address of person responsible for this SDS** : info.hellas@yara.com

### 1.4 Emergency telephone number

Date of issue : 22.01.2021

Page:1/14

**National advisory body/Poison Center**

**Name** : Κέντρο Δηλητηριάσεων Κύπρου/Poison Control Center  
Cyprus  
**Telephone number** : 1401  
**Hours of operation** : 24/7

**Supplier**

**Emergency telephone number** : +30 2111 983 182 (7/24)  
(with hours of operation)

**SECTION 2: Hazards identification****2.1 Classification of the substance or mixture.**

**Product definition** : Mixture

**Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]**

**Classification** : Not classified.

The product is not classified as hazardous according to Regulation (EC) 1272/2008 as amended.

See Section 11 for more detailed information on health effects and symptoms.

**2.2 Label elements**

**Signal word** : No signal word.

**Hazard statements** : Not applicable.

**Precautionary statements** : Not applicable.

**EU Regulation (EC) No. 1907/2006 (REACH) Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles** : Applicable, Table 65.

**Special packaging requirements**

**Containers to be fitted with child-resistant fastenings** : Not applicable.

**Tactile warning of danger** : Not applicable.

**2.3 Other hazards**

**Product meets the criteria for PBT or vPvB according to Regulation (EC) No. 1907/2006, Annex XIII** : This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

**Other hazards which do not result in classification** : None known.

**Additional information** : Product forms slippery surface when combined with water.

## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures : Mixture

Product/ingredient name	Identifiers	%	Regulation (EC) No. 1272/2008 [CLP]	Type
potassium nitrate	RRN: 01-2119488224- 35 EC: 231-818-8 CAS : 7757-79-1	>= 15 - <= 20	Ox. Sol. 3, H272	[1]

#### Type

[1] Substance classified with a physical, health or environmental hazard

[2] Substance with a workplace exposure limit

[3] Substance meets the criteria for PBT according to Regulation (EC) No. 1907/2006, Annex XIII

[4] Substance meets the criteria for vPvB according to Regulation (EC) No. 1907/2006, Annex XIII

[5] Substance of equivalent concern

See Section 16 for the full text of the H statements declared above.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment, are PBTs, vPvBs or Substances of equivalent concern, or have been assigned a workplace exposure limit and hence require reporting in this section.

**Occupational exposure limits, if available, are listed in Section 8.**

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

- Eye contact** : Rinse with plenty of running water. Check for and remove any contact lenses. Get medical attention if irritation occurs.
- Inhalation** : If inhaled, remove to fresh air. In case of inhalation of decomposition products in a fire, symptoms may be delayed. Get medical attention if you feel unwell. The exposed person may need to be kept under medical surveillance for 48 hours.
- Skin contact** : Wash with soap and water. Get medical attention if irritation develops.
- Ingestion** : Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if adverse health effects persist or are severe.
- Protection of first-aiders** : No action shall be taken involving any personal risk or without suitable training.

### 4.2 Most important symptoms and effects, both acute and delayed

**Over-exposure signs/symptoms**

<b>Eye contact</b>	:	No specific data.
<b>Inhalation</b>	:	No specific data.
<b>Skin contact</b>	:	No specific data.
<b>Ingestion</b>	:	No specific data.

**4.3 Indication of any immediate medical attention and special treatment needed**

**Notes to physician** : Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.

**Specific treatments** : No specific treatment.

**SECTION 5: Firefighting measures****5.1 Extinguishing media**

**Suitable extinguishing media** : Use flooding quantities of water for extinction.

**Unsuitable extinguishing media** : Do NOT use chemical extinguisher or foam or attempt to smother the fire with steam or sand.

**5.2 Special hazards arising from the substance or mixture**

**Hazards from the substance or mixture** : No specific fire or explosion hazard.

**Hazardous combustion products** : Decomposition products may include the following materials: nitrogen oxides, sulfur oxides, phosphorus oxides, metal oxide/oxides, ammonia, Avoid breathing dusts, vapors or fumes from burning materials., In case of inhalation of decomposition products in a fire, symptoms may be delayed.

**5.3 Advice for firefighters**

**Special protective actions for fire-fighters** : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

**Special protective equipment for fire-fighters** : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.

**SECTION 6: Accidental release measures****6.1 Personal precautions, protective equipment and emergency procedures**

**For non-emergency personnel** : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep

unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment (see Section 8).

**For emergency responders** : If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

**6.2 Environmental precautions** : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

### **6.3 Methods and materials for containment and cleaning up**

**Small spill** : Move containers from spill area. Vacuum or sweep up material and place in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor.

**Large spill** : Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Vacuum or sweep up material and place in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor.

**6.4 Reference to other sections** : See Section 1 for emergency contact information.  
See Section 8 for information on appropriate personal protective equipment.  
See Section 13 for additional waste treatment information.

## **SECTION 7: Handling and storage**

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

### **7.1 Precautions for safe handling**

Not for human or animal consumption.

**Protective measures** : Put on appropriate personal protective equipment (see Section 8).

**Advice on general occupational hygiene** : Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

### **7.2 Conditions for safe storage, including any incompatibilities**

Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled

containers. Use appropriate containment to avoid environmental contamination. Keep away from: organic materials, oil and grease.

### 7.3 Specific end use(s)

**Recommendations** : Not available.

## **SECTION 8: Exposure controls/personal protection**

The information in this section contains generic advice and guidance. Information is provided based on typical anticipated uses of the product. Additional measures might be required for bulk handling or other uses that could significantly increase worker exposure or environmental releases.

### 8.1 Control parameters

#### Occupational exposure limits

- Remark** : No exposure limit value known.
- Recommended monitoring procedures** : If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to monitoring standards, such as the following:  
 European Standard EN 689 (Workplace atmospheres - Guidance for the assessment of exposure by inhalation to chemical agents for comparison with limit values and measurement strategy)  
 European Standard EN 14042 (Workplace atmospheres - Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents)  
 European Standard EN 482 (Workplace atmospheres - General requirements for the performance of procedures for the measurement of chemical agents)  
 Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

#### DNELs/DMELs

No DNELs/DMELs available.


#### PNECs

Product/ingredient name	Type	Compartment Detail	Value	Method Detail
potassium nitrate	PNEC	Sewage Treatment Plant	18 mg/l	Assessment Factors

### 8.2 Exposure controls

**Appropriate engineering controls** : Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

#### Individual protection measures

- Hygiene measures** : A washing facility or water for eye and skin cleaning purposes should be present. Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Wash contaminated clothing before reusing.
- Eye/face protection** : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts.
- Skin protection**  
**Hand protection** : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. For general applications, we recommend gloves with a thickness typically greater than 0.35 mm. It should be emphasized that glove thickness is not necessarily a good predictor of glove resistance to a specific chemical, as the permeation efficiency of the glove will be dependent on the exact composition of the glove material.
- Body protection** : Personal protective equipment for the body should be selected based on the task being performed and the risks involved.
- Other skin protection** : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- Respiratory protection** : In case of inadequate ventilation wear respiratory protection.
- Environmental exposure controls** : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.
- Personal protective equipment (Pictograms)** : 

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

- Appearance**
- Physical state** : Solid (Crystalline)
- Color** : Gray.,
- Odor** : Odorless.
- Odor threshold** : Not determined.
- pH** : Not determined
- Melting point/freezing point** : Not determined
- Initial boiling point and boiling** : Not determined

range	
Flash point	: Not determined
Evaporation rate	: Not determined
Flammability (solid, gas)	: Non-flammable.
Upper/lower flammability or explosive limits	: <b>Lower:</b> Not determined <b>Upper:</b> Not determined
Vapor pressure	: Not determined
Vapor density	: Not determined
Relative density	: Not determined
Bulk density	: 1.040 kg/m <sup>3</sup>
Solubility(ies)	: soluble in water
Partition coefficient: n-octanol/water	: Not determined
Auto-ignition temperature	: Not determined
Viscosity	: <b>Dynamic:</b> Not determined. <b>Kinematic:</b> Not determined.
Explosive properties	: Non-explosive.
Oxidizing properties	: None

#### 9.2 Other information

No additional information.

## SECTION 10: Stability and reactivity

<u>10.1 Reactivity</u>	: No specific test data related to reactivity available for this product or its ingredients.
<u>10.2 Chemical stability</u>	: The product is stable.
<u>10.3 Possibility of hazardous reactions</u>	: Under normal conditions of storage and use, hazardous reactions will not occur.
<u>10.4 Conditions to avoid</u>	: Avoid contamination by any source including metals, dust and organic materials.
<u>10.5 Incompatible materials</u>	: alkalis combustible materials, reducing materials, Urea reacts with calcium hypochlorite or sodium hypochlorite to form the explosive nitrogen trichloride., organic materials, Acids
<u>10.6 Hazardous decomposition products</u>	: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Acute toxicity

Product/ingredient name	Method	Species	Result	Exposure	References
potassium nitrate					



	LD50 Oral	Rat	2.000 - 5.000 mg/kg	Not applicable.	CSR
	LD50 Dermal	Rat	> 5.000 mg/kg	Not applicable.	

**Conclusion/Summary** : No known significant effects or critical hazards.

#### Acute toxicity estimates

N/A

#### Irritation/Corrosion

Product/ingredient name	Method	Species	Result	Exposure	References
potassium nitrate	OECD 404 Skin	Rabbit	Non-irritating.		IUCLID 5

#### **Conclusion/Summary**

**Skin** : No known significant effects or critical hazards.  
**Eyes** : No known significant effects or critical hazards.  
**Respiratory** : No known significant effects or critical hazards.

#### Sensitization

#### **Conclusion/Summary**

**Skin** : No known significant effects or critical hazards.  
**Respiratory** : No known significant effects or critical hazards.

#### Mutagenicity

**Conclusion/Summary** : No known significant effects or critical hazards.

#### Carcinogenicity

**Conclusion/Summary** : No known significant effects or critical hazards.

#### Reproductive toxicity

**Conclusion/Summary** : No known significant effects or critical hazards.

**Information on the likely routes of exposure:** : Not available.

#### Potential acute health effects

**Inhalation** : Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure.

**Ingestion** : No known significant effects or critical hazards.

**Skin contact** : No known significant effects or critical hazards.

**Eye contact** : No known significant effects or critical hazards.

#### Symptoms related to the physical, chemical and toxicological characteristics

**Inhalation** : No specific data.

Ingestion : No specific data.  
 Skin contact : No specific data.  
 Eye contact : No specific data.

**Delayed and immediate effects and also chronic effects from short and long term exposure**

**Short term exposure**

**Potential immediate effects** : No known significant effects or critical hazards.

**Potential delayed effects** : No known significant effects or critical hazards.

**Long term exposure**

**Potential immediate effects** : No known significant effects or critical hazards.

**Potential delayed effects** : No known significant effects or critical hazards.

**Potential chronic health effects**

**Carcinogenicity** : No known significant effects or critical hazards.

**Mutagenicity** : No known significant effects or critical hazards.

**Fertility effects** : No known significant effects or critical hazards.

**Developmental effects** : No known significant effects or critical hazards.

**Effects on or via lactation** : No known significant effects or critical hazards.

**Other effects** : No known significant effects or critical hazards.

**Other information** : Not available.

## SECTION 12: Ecological information

### 12.1 Toxicity

Product/ingredient name	Method	Species	Result	Exposure	References
potassium nitrate					
	OECD 203 Acute LC50 Fresh water	Fish	> 100 mg/l	96 h	CSR
	Acute EC50 Fresh water	Daphnia	490 mg/l	48 h	CSR
	Acute EC50 Fresh water	Algae	> 1.700 mg/l	240 h	CSR

**Conclusion/Summary** : No known significant effects or critical hazards.

### 12.2 Persistence and degradability

**Conclusion/Summary** : No known significant effects or critical hazards.

### 12.3 Bioaccumulative potential

**Conclusion/Summary** : No known significant effects or critical hazards.

### 12.4 Mobility in soil

**Soil/water partition coefficient** : Not available.

(KOC)  
**Mobility** : Not available.

### 12.5 Results of PBT and vPvB assessment

This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

12.6 Other adverse effects : No known significant effects or critical hazards.

## SECTION 13: Disposal considerations

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

### 13.1 Waste treatment methods

#### Product

- Methods of disposal** : The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction.
- Hazardous waste** : Within the present knowledge of the supplier, this product is not regarded as hazardous waste, as defined by EU Directive 2008/98/EC.

#### European waste catalogue (EWC)

Waste code	Waste designation
06 10 99	wastes not otherwise specified

#### Packaging

- Methods of disposal** : The generation of waste should be avoided or minimized wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. Empty the bag by shaking to remove as much as possible of its contents. Empty bags may be disposed of as non-hazardous material or returned for recycling.
- Special precautions** : This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

## SECTION 14: Transport information

**Regulation: ADR/RID**

**14.1 UN number** : Not regulated.

<b>14.2 UN proper shipping name</b>	Not applicable.
<b>14.3 Transport hazard class(es)</b>	Not applicable.
<b>14.4 Packing group</b>	Not applicable.
<b>14.5 Environmental hazards</b>	No.
<b>Additional information</b>	

<b>Regulation: ADN</b>	
<b>14.1 UN number</b>	Not regulated.
<b>14.2 UN proper shipping name</b>	Not applicable.
<b>14.3 Transport hazard class(es)</b>	Not applicable.
<b>14.4 Packing group</b>	Not applicable.
<b>14.5 Environmental hazards</b>	Yes.
<b>Additional information</b>	
<b><u>Danger code</u></b>	: Not applicable.

<b>Regulation: IMDG</b>	
<b>14.1 UN number</b>	Not regulated.
<b>14.2 UN proper shipping name</b>	Not applicable.
<b>14.3 Transport hazard class(es)</b>	Not applicable.
<b>14.4 Packing group</b>	Not applicable.
<b>14.5 Environmental hazards</b>	No.
<b>Additional information</b>	
<b><u>Marine pollutant</u></b>	: No.

<b>Regulation: IATA</b>	
<b>14.1 UN number</b>	Not regulated.
<b>14.2 UN proper shipping name</b>	Not applicable.
<b>14.3 Transport hazard class(es)</b>	Not applicable.
<b>14.4 Packing group</b>	Not applicable.
<b>14.5 Environmental hazards</b>	No.
<b>Additional information</b>	
<b><u>Marine pollutant</u></b>	: No.

**14.6 Special precautions for user** : Transport within user's premises: Ensure that persons transporting the product know what to do in the event of an accident or spillage.

**14.7 Transport in bulk according to IMO instruments** : Not applicable.

**14.8 IMSBC**

**Bulk cargo shipping name** : Deltaspray 15-30-15  
**Class** : Not applicable.  
**Group** : C  
**Marpol V** : Non-HME

## SECTION 15: Regulatory information

### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

#### EU Regulation (EC) No. 1907/2006 (REACH)

##### Annex XIV - List of substances subject to authorization

##### Annex XIV

##### Substances of very high concern

EU Regulation (EC) No. : Applicable, Table 65.

#### 1907/2006 (REACH) Annex XVII

##### - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles

#### Other EU regulations

Europe inventory : All components are listed or exempted.

#### Ozone depleting substances (1005/2009/EU)

None of the components are listed.

#### Prior Informed Consent (PIC) (649/2012/EU)

None of the components are listed.

#### Seveso Directive

This product is not controlled under the Seveso Directive.

**Other regulations** : This product is regulated by Regulation (EU) 2019/1148: all suspicious transactions, and significant disappearances and thefts should be reported to the relevant national contact point. Please see [https://ec.europa.eu/home-affairs/sites/homeaffairs/files/what-we-do/policies/crisis-and-terrorism/explosives/explosives-precursors/docs/list\\_of\\_competent\\_authorities\\_and\\_national\\_contact\\_points\\_en.pdf](https://ec.europa.eu/home-affairs/sites/homeaffairs/files/what-we-do/policies/crisis-and-terrorism/explosives/explosives-precursors/docs/list_of_competent_authorities_and_national_contact_points_en.pdf).

#### National regulations

**Biocidal products regulation** : Not applicable.

**Notes** : To our knowledge no other country or state specific regulations are applicable.

**15.2 Chemical Safety Assessment** : Complete.

## SECTION 16: Other information

**Abbreviations and acronyms** : ATE = Acute Toxicity Estimate  
CLP = Classification, Labelling and Packaging Regulation  
[Regulation (EC) No. 1272/2008]

DNEL = Derived No Effect Level  
 DMEL = Derived Minimal Effect Level  
 EUH statement = CLP-specific Hazard statement  
 N/A = Not available  
 PNEC = Predicted No Effect Concentration  
 RRN = REACH Registration Number  
 SGG = Segregation Group  
 PBT = Persistent, Bioaccumulative and Toxic  
 vPvB = Very Persistent and Very Bioaccumulative  
 bw = Body weight

**Key data sources** : EU REACH ECHA/IUCLID5 CSR.  
 National Institute for Occupational Safety and Health, U.S.  
 Dept. of Health, Education, and Welfare, Reports and  
 Memoranda Registry of Toxic Effects of Chemical  
 Substances.  
 Sphera Solutions Inc., 4777 Levy Street, St Laurent,  
 Quebec HAR 2P9, Canada.  
 Regulation (EC) No 1272/2008 Annex VI.

**Procedure used to derive the classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]**

Classification	Justification
Not classified.	Calculation method

**Full text of abbreviated H statements**

H272	May intensify fire; oxidizer.
------	-------------------------------

**Full text of classifications [CLP/GHS]**

Ox. Sol. 3	OXIDIZING SOLIDS - Category 3
------------	-------------------------------

**Revision comments** : The following sections contain new and updated information: 9, 15.

**Date of printing** : 29.03.2021  
**Date of issue/ Date of revision** : 22.01.2021  
**Date of previous issue** : 01.06.2018  
**Version** : 5.0  
**Prepared by** : Yara Chemical Compliance (YCC).

|| Indicates information that has changed from previously issued version.

**Notice to reader**

To the best of our knowledge, the information provided in this Safety Data Sheet is accurate as at the date of its issue. The information it contains is being given for safety guidance purposes and relates only to the specific material and uses described in it. This information does not necessarily apply to that material when combined with other material(s) or when used otherwise than as described herein, since all materials may represent unknown hazards and should be used with caution. Final determination of the suitability of any material is the sole responsibility of the user.